

Using GIS for Compliance

Mike Strength





TRUSSVILLE, ALABAMA

Trussville was settled between 1816 and 1819 by a few settlers from the Carolinas prior to Alabama becoming the 22nd state in December 1819. The First Baptist Church, Cahaba, was organized in 1821. Trussville's first postmaster in 1833 was Arthur Truss. The railroad line between Chattanooga and Mississippi through Trussville was completed in 1871. Birmingham Furnace and Manufacturing Company, which operated in Trussville on and off from 1889 until the close of World War I, became Trussville's first large industry. Under Roosevelt's New Deal, the Cahaba Homestead Village "Project," with 287 new housing units for rent, was completed in 1938, resulting in a population explosion of young families. It is listed on the National Register of Historic Places. Horace Norrell was elected first mayor following the incorporation of the Town of Trussville in 1947.

ERECTED BY THE ALABAMA TOURISM DEPARTMENT AND THE CITY OF TRUSSVILLE

- A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present all types of geographical data. The key word to this technology is **Geography** – this means that some portion of the data is spatial. In other words, data that is in some way referenced to locations on the earth. Coupled with this data is usually tabular data known as attribute data. Attribute data can be generally defined as additional information about each of the spatial features. An example of this would be schools. The actual location of the schools is the spatial data. Additional data such as the school name, level of education taught, student capacity would make up the attribute data.
- It is the partnership of these two data types that enables GIS to be such an effective problem solving tool through spatial analysis. GIS is more than just software. People and methods are combined with geospatial software and tools, to enable spatial analysis, management large datasets, and the display of information in a map/graphical form.

It's all about the people...

...and we are all flawed people!

Confession time!











Decontal 2
Microprint

What legacy will you leave?

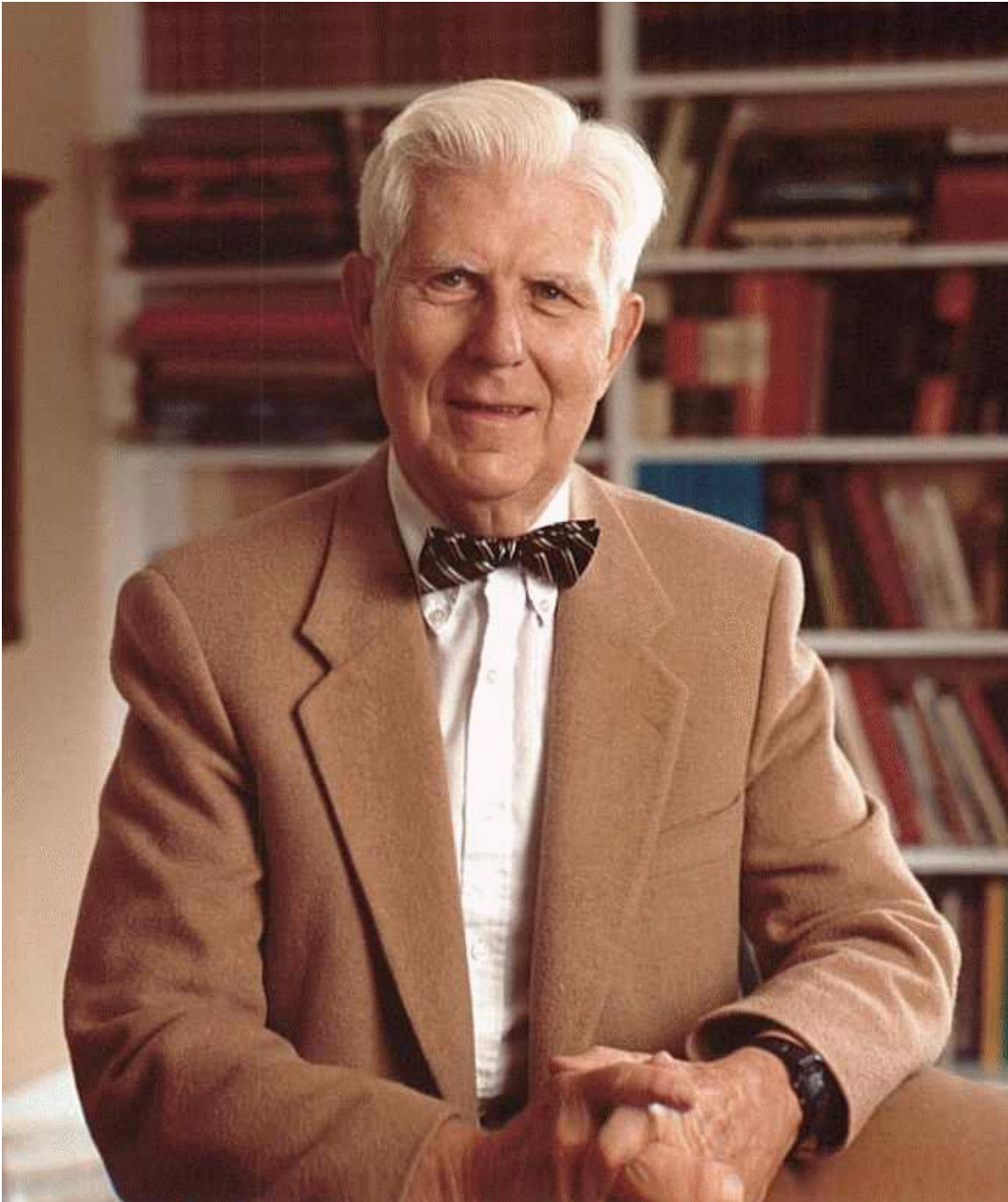
- A former Shell Pipeline employee is facing up to 15 years in prison and \$19 million in restitution costs after pleading guilty in federal court to negligence that caused a 9,000-gallon jet fuel spill in 2012 at Milwaukee General Mitchell International Airport. The worker, who had been with the company for two decades, was responsible for checking the integrity of pipelines that delivered fuel to the airport in accordance with the Pipeline Safety Act.
- Lacking functioning monitoring equipment, which he apparently never sought to have replaced, he neglected to perform his bimonthly examinations and later, upon learning of a pending federal audit of the pipeline, falsified data suggesting the testing had been conducted and that the pipeline was in good condition. In fact, the pipeline was suffering from dangerous levels of corrosion. For six months in 2012, repairing the pipeline caused sporadic disruption in operations from the airport's nearly 10,000-foot-long Runway 1/19



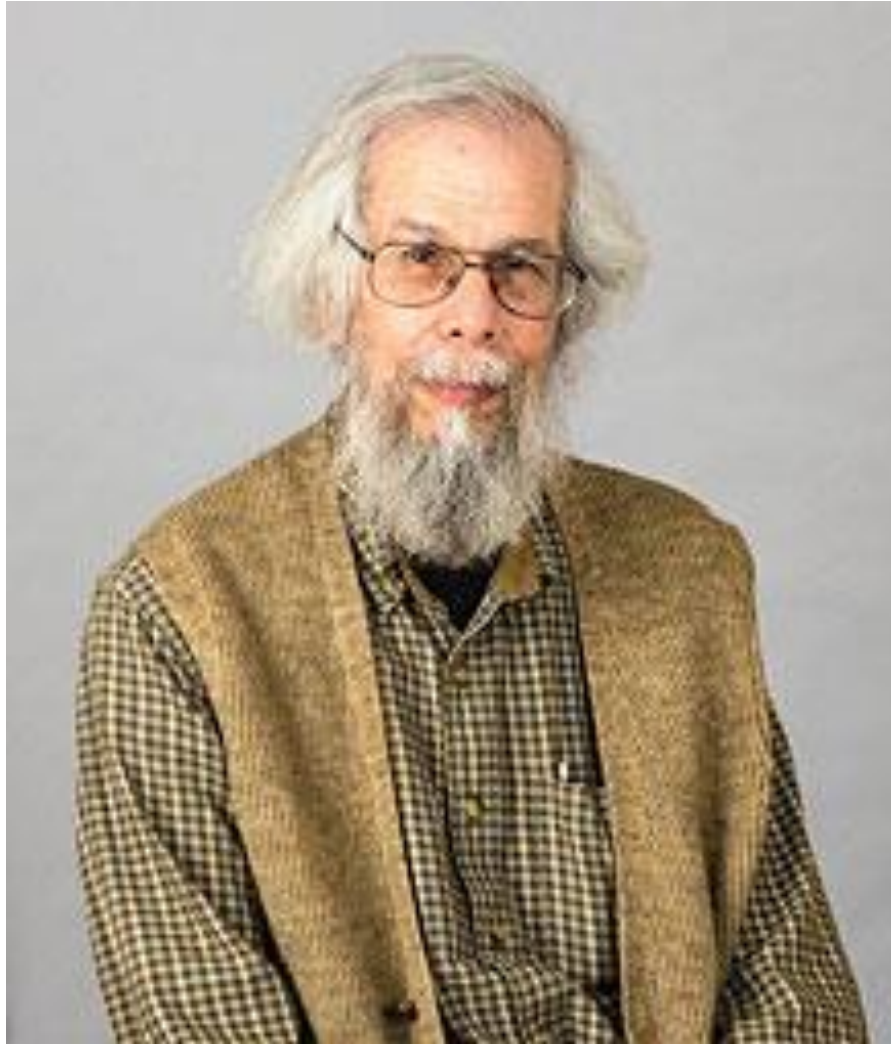
DIMP="Know Your System"

...the database mandate

Do you want to do it right or just barely get by?



Dr. Aaron T. Beck



Dr. Lionel “Lonny” Rosen





60 Minutes 

@60Minutes

 Follow

Saban calls his coaching approach “The Process” -- ignore the scoreboard; don’t worry about winning; focus on doing your job

8:43 PM - 3 Nov 2013

346 RETWEETS **216** FAVORITES



Verizon LTE 3:17 PM 75%

FORM LIST

- C** COLLECT CASING VENT LOCATION >
- C** COLLECT COMMENT >
- C** COLLECT EXPOSED PIPE REPORT >
- I** INSPECT CASING >
- I** INSPECT VALVE >
- T** TAKE CP RECTIFIER READING >
- T** TAKE CP TEST STATION READING >

Verizon LTE 3:18 PM 75%

MY TASKS

- 1** 1267-D - CRITICAL VALVE INSPECTI...
Due Date: Thursday September 15, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >
- 3** 3-A - CRITICAL VALVE INSPECTION
Due Date: Thursday September 15, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >
- 5** 539-A - CRITICAL VALVE INSPECTION
Due Date: Saturday September 17, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >
- 5** 538-B - CRITICAL VALVE INSPECTION
Due Date: Saturday September 17, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >
- 5** 537-B - CRITICAL VALVE INSPECTION
Due Date: Saturday September 17, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >
- 5** 536-B - CRITICAL VALVE INSPECTION
Due Date: Saturday September 17, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >
- 1** 1362-A - CRITICAL VALVE INSPECTI...
Due Date: Tuesday October 18, 2016
Start Date: Friday January 01, 2016
Collection Table Name: ValveInspection >

Verizon LTE 3:18 PM 74%

1314-B - Non...

Valve Location Description

IVY DALE & VILLAGE CREEK TR SE

* Valve Condition

GOOD

* Box Condition

GOOD

* Lubricated

YES

* Operated

YES

* Leak Detected

NO

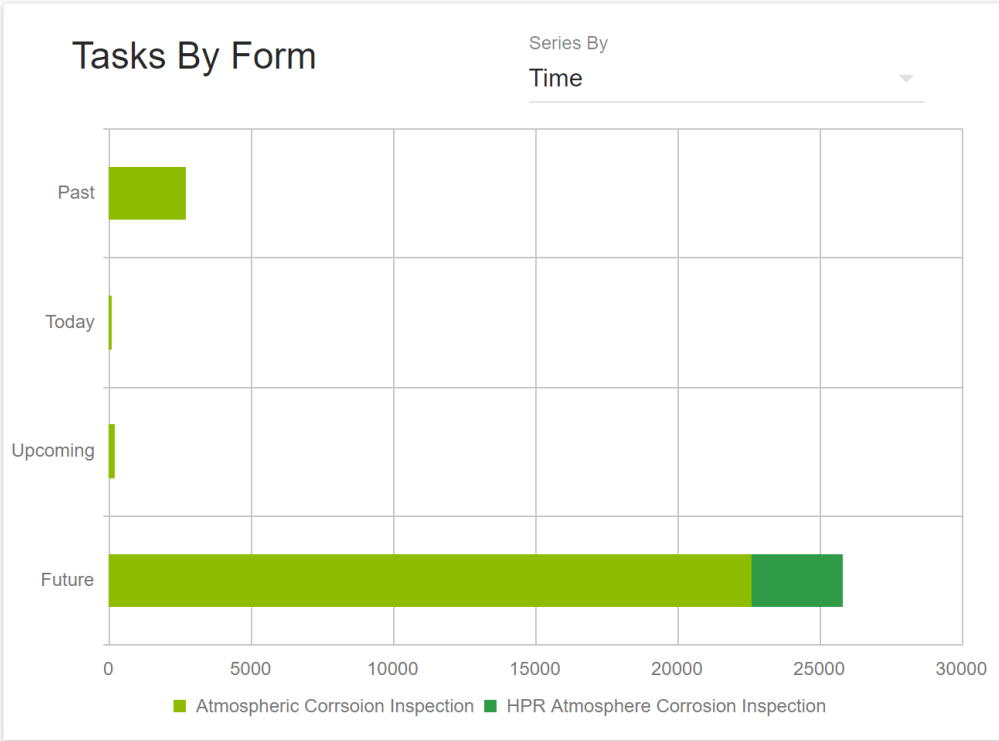
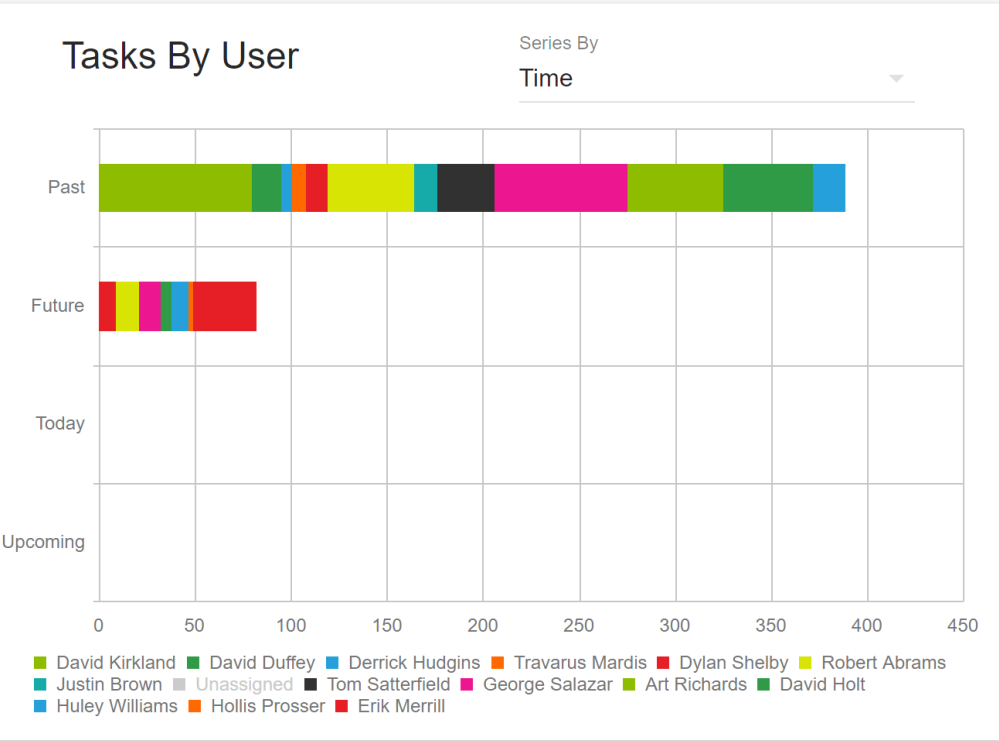
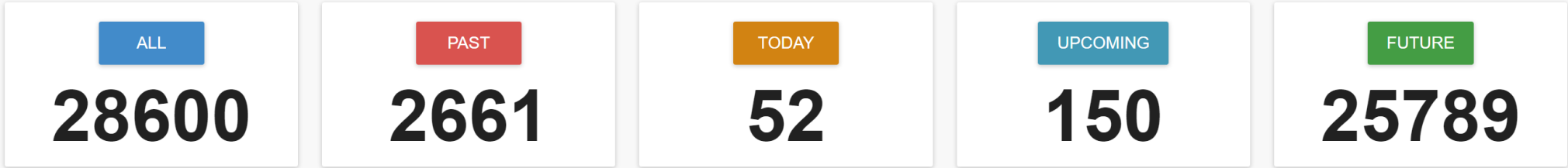
Inspected By

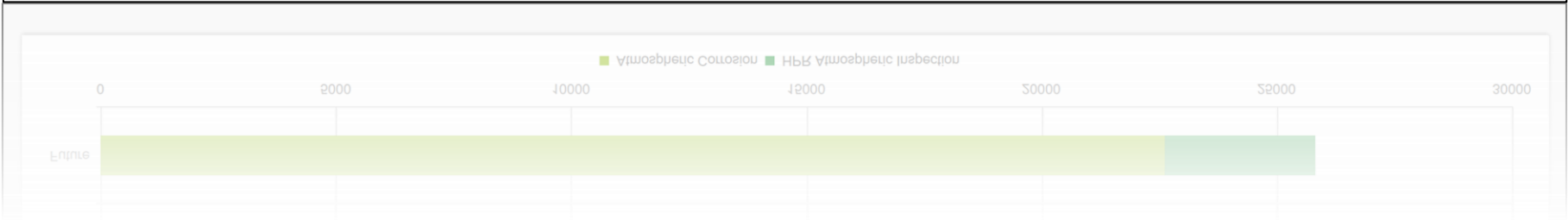
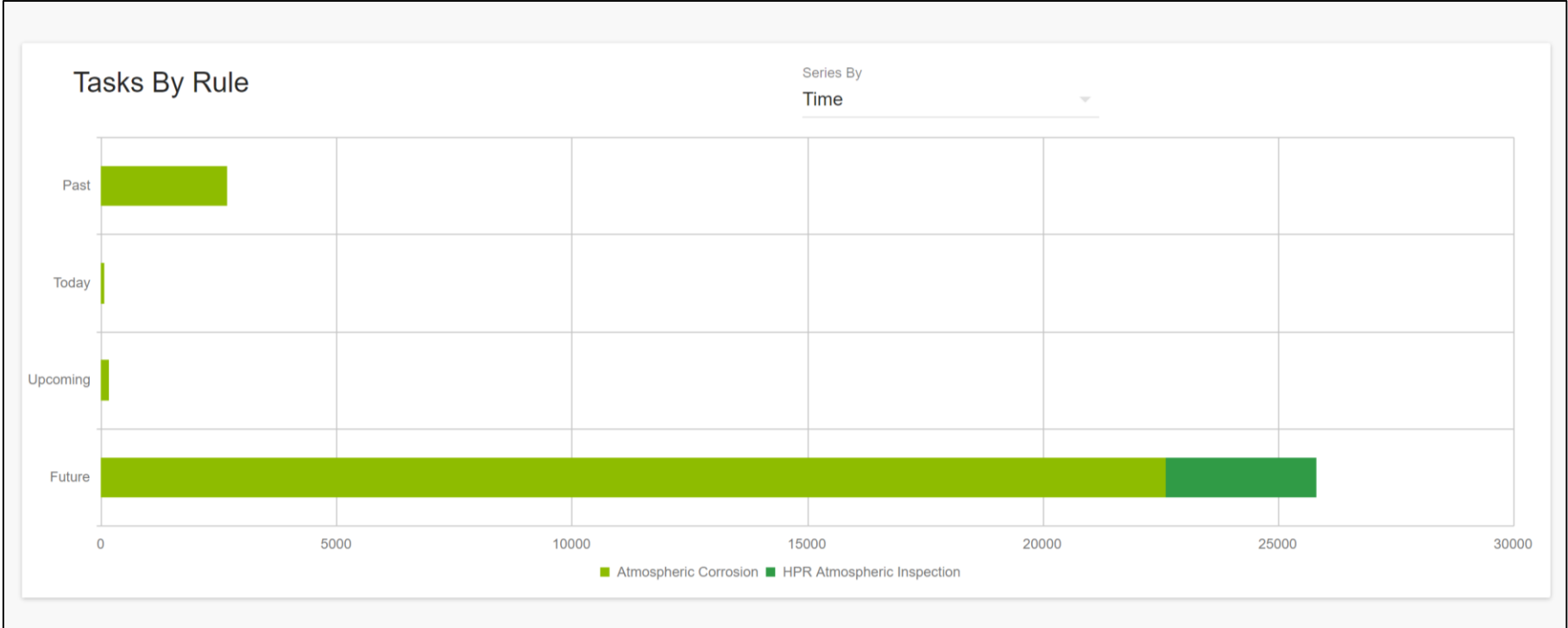
Verizon LTE 3:19 PM 74%

Valve

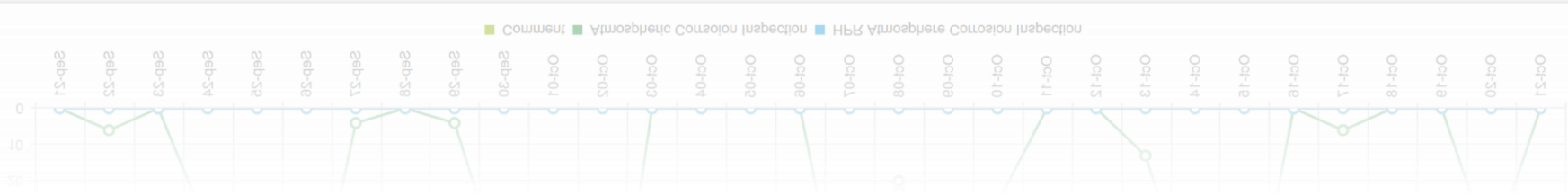
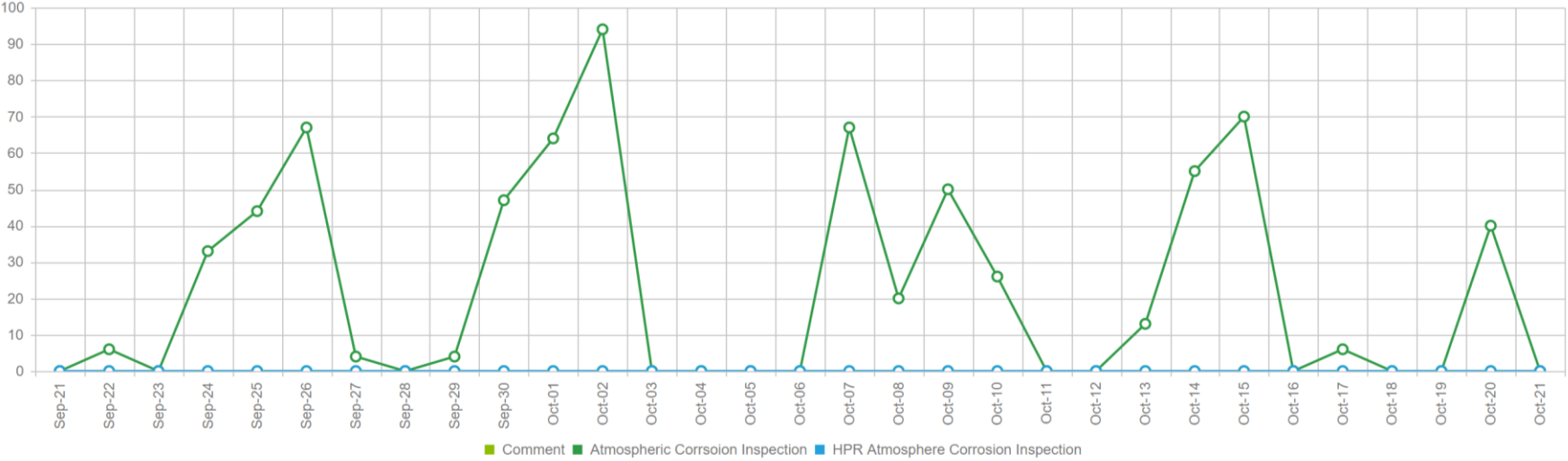
Valve: 1314-B

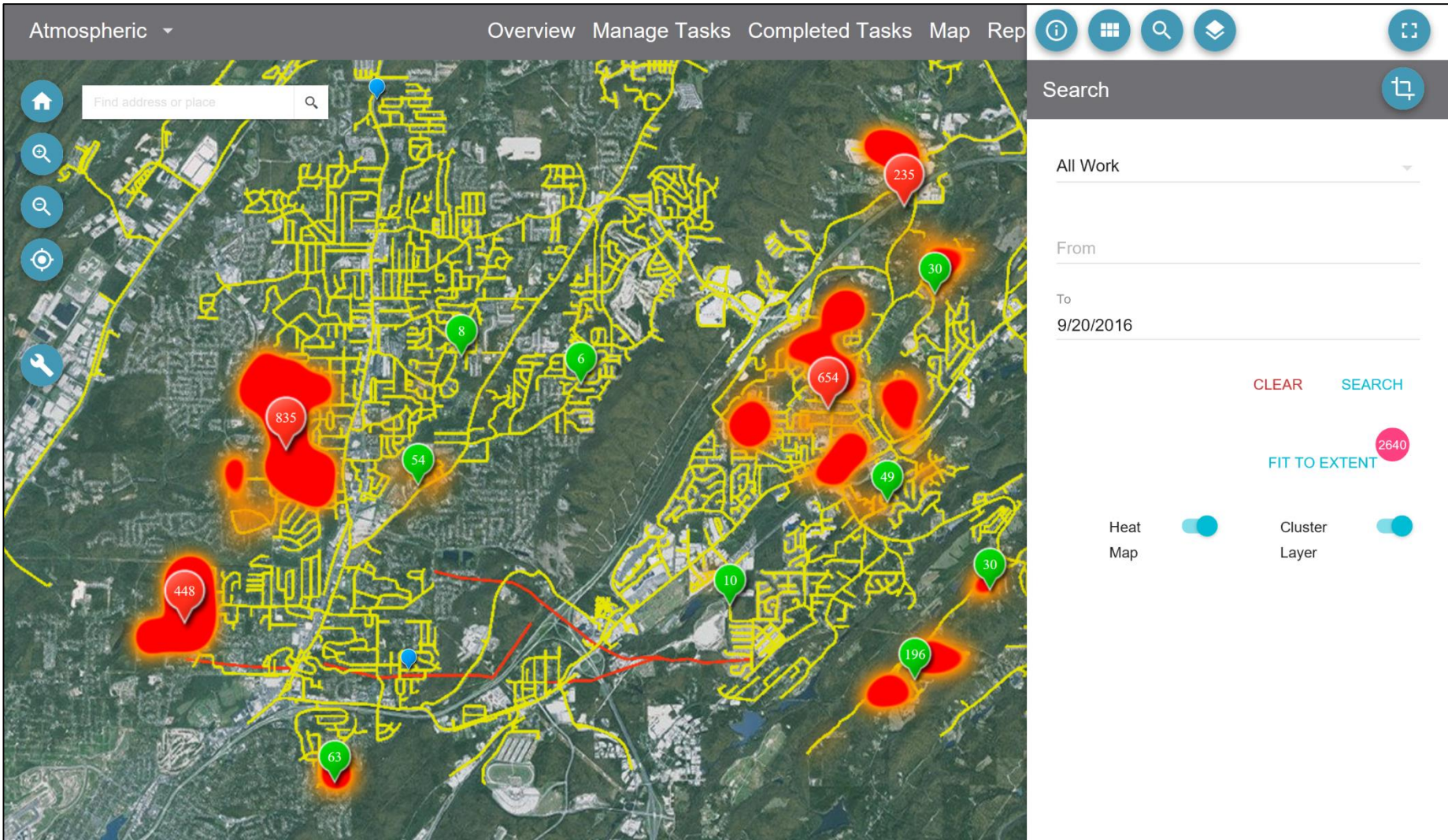
Upcoming Days
7 days ▾





Upcoming Tasks Timeline





Form List

All

Date Range

This Quarter

COMPLETED

4533



AVERAGE TASKS PER DAY

55.39



AVERAGE TIME

7.3



DAYS REMAINING

10430

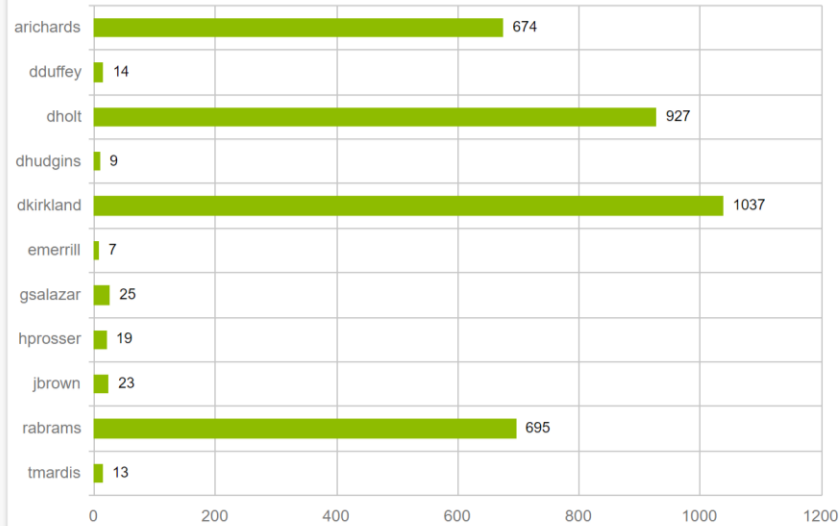


% LATE

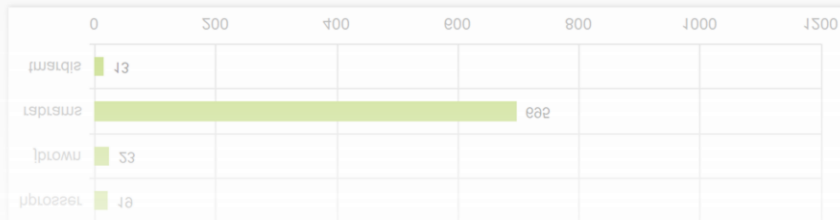
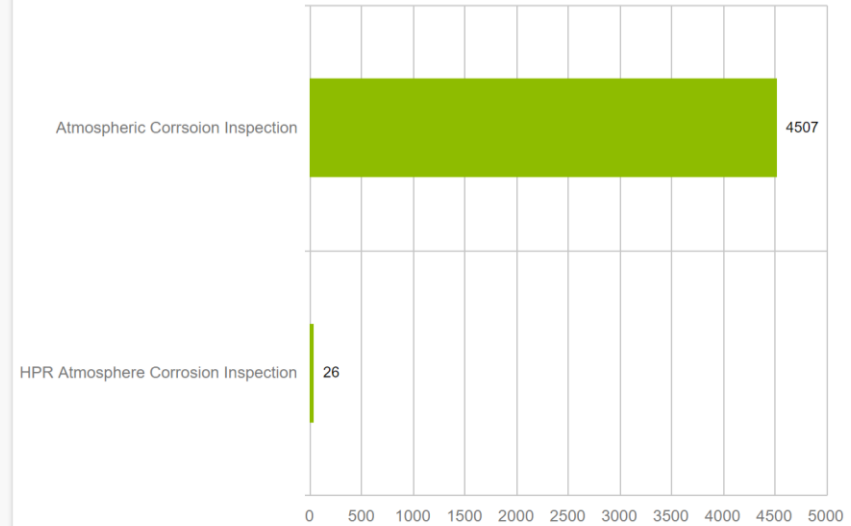
92.8



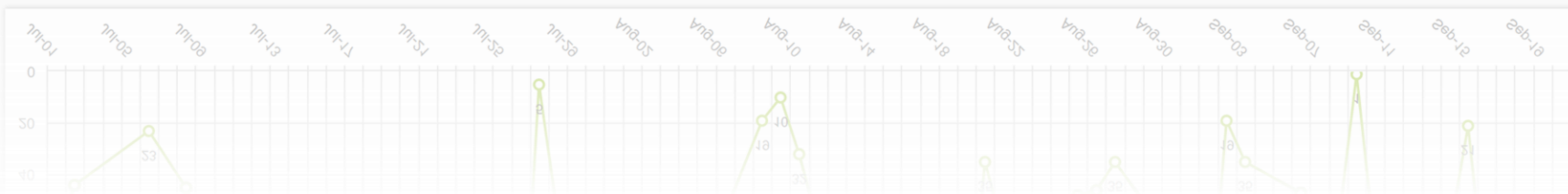
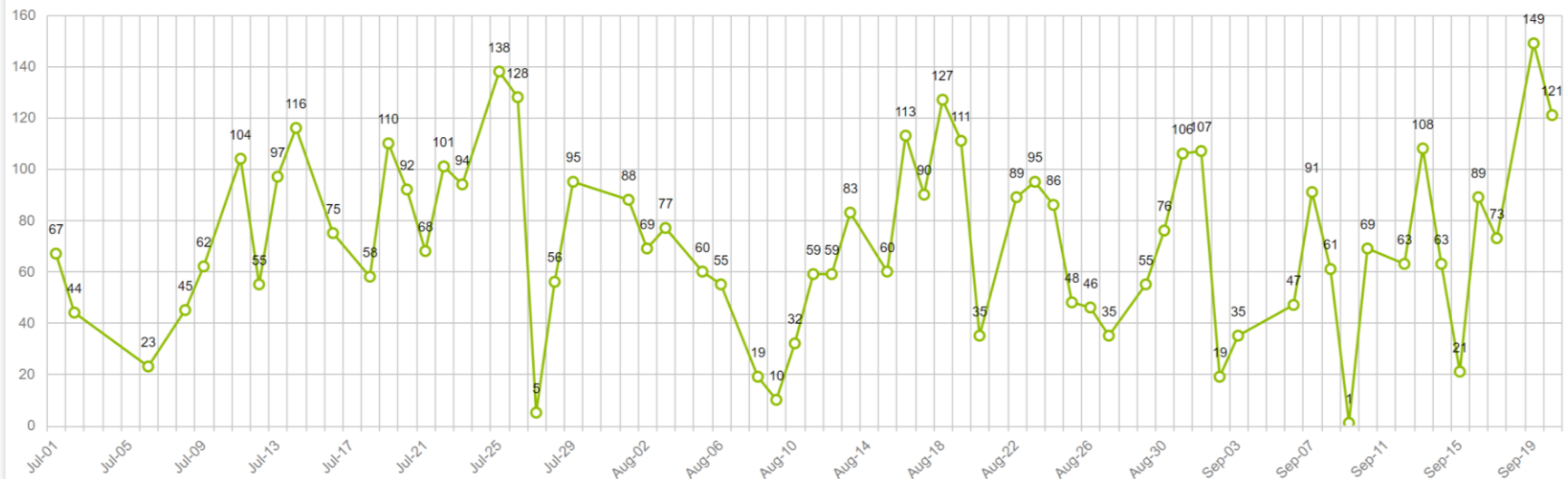
Completed Tasks By User



Completed Tasks By Form



Completed Task Timeline





















GeoTask Dashboard												
gis.trussville.com/apps/geotaskdashboard2/#/reports												
69870	49930	A	270 SKYLINE DR	35235	Yes	Yes	Yes	Service Head	No	domain...	2016-09- 20T13:...	No
130739	36488	V	2401 SWEE... HOLL... RD	35215	Yes	Yes	Yes	Service Head	No	domain...	2016-09- 20T13:...	No
60416	21100	A	1529 3RD ST NW	35215	Yes	No	No	Service Head	No	domain...	2016-09- 20T13:...	No
107870	33501	A	1380 ORLA... CIR	35215	Yes	Yes	Yes	Service Head	No	domain...	2016-09- 20T13:...	No
21607	21463	A	1604 4TH ST NW	35215	Yes	Yes	Yes	Service Head	No	domain...	2016-09- 20T13:...	No
53972	21142	A	1528 3RD ST NW	35215	Yes	Yes	Yes	Service Head	No	domain...	2016-09- 20T13:...	No
59245	21140	A	1524 3RD ST NW	35215	Yes	Yes	Yes	Service Head	No	domain...	2016-09- 20T14:...	No
<div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> </div>											1 - 20 of 139 items	




Valve 345

4" MDPE



Benefits

- More efficient workforce
- Job will get easier
- Less work stress when you know you are meeting requirements and can prove it
- More satisfied customers – better service

Upcoming Days
Custom 120 days

